

ServSwitch Wizard IP Plus

Use an IP or a dialup link
to access your servers
at much higher speeds!



FEATURES

- » DVI-I, USB, and audio ports.
- » Access a ServSwitch™ and all servers connected to it from anywhere in the world via an IP network or a dialup connection.
- » Features an enhanced video processing engine that delivers accelerated video update performance to your monitor.
- » Virtual media support! The ServSwitch Wizard IP Plus emulates a USB storage device to enable file transfer between the viewer server and the viewed server.
- » The DVI-I connector autosenses digital and analog monitor connections and converts an analog input to a digital one.
- » Robust, enterprise-grade security with AES 128 encryption and RSA 2048 authentication.
- » No software needed, so you save money!
- » Resolutions up to 1600 x 1200 at 60 Hz.
- » Reboot the entire system remotely after a power crash.
- » True DDC support for optimal use with computer video cards.

OVERVIEW

The [ServSwitch Wizard™ IP Plus](#) offers all the features of the ServSwitch Wizard IP (ACR2004A) but has a faster (533-MHz) processor and better video performance, making it ideal for high-end server rooms. Plus, the switch has USB, DVI-I, and audio connectors for streaming data and sound to a remote virtual network collaborator (VNC).

As with the ServSwitch Wizard IP, the [ServSwitch Wizard IP Plus](#) enables you to access an attached ServSwitch and all servers connected to it from anywhere in the world via an IP network or a dialup connection. However, the ServSwitch Wizard IP Plus has an optimized internal structure that provides excellent video refresh rates and clarity across the network link—and uses remarkably little network bandwidth in the process!

In all, up to four remote users can access the [ServSwitch Wizard IP Plus](#) simultaneously. You can connect all users through the front-panel RJ-45 network port or link one of the four remote users via the back-panel DB9 modem port. (You can also use this port as a backup access route should the network fail.)

DVI-I connector for digital displays.

The [ServSwitch Wizard IP Plus's](#) console connectors include PS/2® and USB ports for a keyboard and mouse, an audio jack for plugging in speakers, and a DVI-I port that autosenses between digital and analog video connections. Even better, the DVI-I port converts an analog input signal into a DVI signal to give you much clearer video displays!

Remote users get great video, too. An advanced video acceleration engine provides remarkable screen update performance when used over a LAN. And because the picture is transferred digitally, you can count on high color and picture fidelity at LAN speeds.

Supports virtual media and audio feeds.

You can link the [ServSwitch Wizard IP Plus](#) to IBM® compatible, Sun®, and Mac® servers and to just about any other ServSwitch product. Plus it enables virtual media support—attach the USB port to the server you're controlling, and the Wizard IP Plus will emulate a USB mass storage device. Files on the viewer server can be made to appear on the virtual media drive, enabling easy file transfer between the viewer server and the viewed server.

There's also an audio jack for "audio-over-IP" applications, so you can feed audio signals from a host site to remote VNC viewers for presentation and training purposes.

Secure VNC viewer or browser access.

The [ServSwitch Wizard IP Plus](#) contains an embedded VNC server, which you can access securely using a VNC viewer or a browser running Java™. No extra software seat licenses are needed, and private or shared access modes are supported from up to four viewers.

State-of-the-art data compression techniques work even at dialup connection speeds as low as 33 kbps. In addition, a dialup access option provides inherent first-level security. Data-stream encryption using a 128-bit key is available, and a VNC-specific architecture enables mutual authentication between local and remote users.

The [ServSwitch Wizard IP Plus](#) has a power control port that enables a remote user to reset one or more power switches in the host system. Dual power connectors enable the [ServSwitch Wizard IP Plus](#) to draw power from its included adapter or from a secondary power adapter that can be connected to a UPS to provide redundant power capabilities.

The [ServSwitch Wizard IP Plus](#) is also flash upgradable, so it's obsolescence-proof.



ACR2005A

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognize any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.
- It's 9 p.m. and you need help, but your vendor's tech support line is closed.

According to a survey by *Data Communications* magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application. Don't waste time and money—call Black Box today.

TECH SPECS

Hardware Compatibility — IBM PC, PS/2, and compatibles; Sun USB; Mac USB; RS/6000®; DEC™ Alpha; SGI™

Operating Systems Supported — Windows® 3.x/95/98/Me/XP, Windows NT®, Windows 2000, Windows 2003 Server, DOS, Linux®, UNIX®, BSD, Sun, Macintosh®, NetWare®

Protocol — Ethernet: TCP/IP

Resolution (Maximum) — 1600 x 1200 at 60 Hz

Software Compatibility —
Limited security: AT&T® 3.3.3, RealVNC 3.3.4 and higher;
Full security: RealVNC 4.0 and higher; requires Java enabled browser

CE Approval — Yes

Connectors —
Connected ServSwitch:
Video: (1) DVI-I F;
PS/2 keyboard: (1) 6-pin mini DIN F;
PS/2 mouse: (1) 6-pin mini DIN F;
USB keyboard/mouse: (1) USB Type B F;
USB virtual media support: (1) USB Type B F;
Audio: (1) 3.5-mm jack;
Local KVM console:
Video: (1) DVI-I F;
PS/2 keyboard: (1) 6-pin mini DIN F;
PS/2 mouse: (1) 6-pin mini DIN F;
USB keyboard/mouse: (2) USB Type A F;
Audio: (1) 3.5-mm jack;
Network: (1) 10-/100-Mbps autosensing RJ-45;
Modem/ISDN: (1) DB9 M;
Power control: (1) DB9 M;
Power input: Included adapter: (1) barrel F;
For optional redundant power: (1) barrel F

Indicators — (6) LEDs: PWR, LNK, 100, VNC, REM, LOC

Power — 100–240 VAC, 50–60 Hz, autosensing

Size — 1.75"H (1U) x 7.9"W x 4.6"D (4.4 x 20 x 11.7 cm)

Item	Code
ServSwitch Wizard™ IP Plus	ACR2005A
♦ Includes (1) ServSwitch Wizard IP Plus, (1) power supply, (1) CD-ROM, and (4) self-adhesive rubber feet.	
To rackmount your ServSwitch Wizard IP Plus, order...	
ServSwitch Wizard IP Rackmount Kits	
Single Unit	RMK2004
Dual Units	RMK2004-2